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Ads by



Atif M. Memon, Mary Lou Soffa, Martha E. Pollack

September 2001 ESEC/ FSE-9: Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering

Publisher: ACM

Full text available: Pdf (1.47 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 302, Citation Count: 13

A widespread recognition of the usefulness of graphical user interfaces (GUIs) has established their importance as critical components of today's software. GUIs have characteristics different from traditional software, and conventional testing techniques ...

Keywords: GUI test coverage, GUI testing, component testing, event-based coverage, event-flow graph, integration tree

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2 [A built-in test language for PROLOG to validate knowledge-based systems](#)

F. Belli, I. Camara, A. Schmidt

June 1990 IEA/ AIE '90: Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2, Volume 2

Publisher: ACM

Full text available: Pdf (886.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

This paper refines and completes the results of our previous work represented in /3/. Our present work concentrates on the implementation of a uniform, white-box test environment PROTest (PROLOG Test Environment). PROTest ...

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3 [Structural testing of rule-based expert systems](#)

James D. Kiper

April 1992 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 1 Issue 2

Publisher: ACM

Full text available: Pdf (1.32 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 121, Citation Count: 5

Testing of rule-based expert systems has become a high priority for many organizations as the use of such systems proliferates. Traditional software testing techniques apply to some components of

rule-based systems, e.g., the inference engine. However, ...

Keywords: basis path testing, data flow path selection, expert systems, rule bases, structured testing

4 [Third eye ----- specification-based analysis of software execution traces \(poster session\)](#)



Raimondas Lencevicius, Alexander Ran, Rahav Yairi

June 2000 I CSE '00: Proceedings of the 22nd international conference on Software engineering

Publisher: ACM

Full text available: Pdf (41.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation Count: 0

Another concept of Third Eye is the tracing state. Tracing state is a set of event types generated in that state, other event types are filtered out and not reported. The system is always in a specific tracing state. Tracing states correspond ...

5 [A class-based approach to word alignment](#)

Sue J. Ker, Jason S. Chang

June 1997 Computational Linguistics, Volume 23 Issue 2

Publisher: MIT Press

Full text available: Pdf (2.00 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 48, Citation Count: 12

This paper presents an algorithm capable of identifying the translation for each word in a bilingual corpus. Previously proposed methods rely heavily on word-based statistics. Under a word-based approach, frequent words with a consistent translation ...

6 [Frequent-subsequence-based prediction of outer membrane proteins](#)



Rong She, Fei Chen, Ke Wang, Martin Ester, Jennifer L. Gardy, Fiona S. L. Brinkman

August 2003 KDD '03: Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Full text available: Pdf (166.07 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 84, Citation Count: 2

A number of medically important disease-causing bacteria (collectively called Gram-negative bacteria) are noted for the extra "outer" membrane that surrounds their cell. Proteins resident in this membrane (outer membrane proteins, or OMPs) are of primary ...

Keywords: association rule, classification, outer membrane protein, subcellular localization, support vector machine

7 [A comparison of five steady-state truncation heuristics for simulation](#)

K. Preston White, Jr., Michael J. Cobb, Stephen C. Spratt

December 2000 WSC '00: Proceedings of the 32nd conference on Winter simulation

Publisher: Society for Computer Simulation International

Full text available: Pdf (208.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 37, Citation Count: 5

We compare the performance of five well-known truncation heuristics for mitigating the effects of initialization bias in the output analysis of steady-state simulations. Two of these rules are variants of the MSER heuristic studied by White (1997); the ...

8 Coverage criteria for GUI testing



Atif M. Memon, Mary Lou Soffa, Martha E. Pollack

September 2001 ACM SIGSOFT Software Engineering Notes, Volume 26 Issue 5

Publisher: ACM

Full text available: Pdf (1.47 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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A widespread recognition of the usefulness of graphical user interfaces (GUIs) has established their importance as critical components of today's software. GUIs have characteristics different from traditional software, and conventional testing techniques ...

Keywords: GUI test coverage, GUI testing, component testing, event-based coverage, event-flow graph, integration tree

9 Learning bias and phonological-rule induction

Daniel Gildea, Daniel Jurafsky

December 1996 Computational Linguistics, Volume 22 Issue 4

Publisher: MIT Press

Full text available: Publisher Site, Pdf (2.25 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Citation Count: 5

A fundamental debate in the machine learning of language has been the role of prior knowledge in the learning process. Purely nativist approaches, such as the Principles and Parameters model, build parameterized linguistic generalizations directly into ...

10 Learning optimal dialogue management rules by using reinforcement learning and inductive logic programming

Renaud Lecœuche

June 2001 NAACL '01: Second meeting of the North American Chapter of the Association for

Computational Linguistics on Language technologies 2001

Publisher: Association for Computational Linguistics

Full text available: Pdf (152.92 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Count: 0

Developing dialogue systems is a complex process. In particular, designing efficient dialogue management strategies is often difficult as there are no precise guidelines to develop them and no sure test to validate them. Several suggestions have been ...

11 Specification formalisms for component-based concurrent systems



Rance Cleaveland

January 2000 ACM SIGSOFT Software Engineering Notes, Volume 25 Issue 1

Publisher: ACM

Full text available: Pdf (257.25 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Count: 0

This project builds on my ongoing research into design formalisms for, and the automatic verification of, concurrent systems. The difficulties such systems pose for system engineers are well-known and result in large part from the the complexities of ...

12 Fault detection and input stimulus determination for the testing of analog integrated circuits based on power-supply current monitoring

Georges Gielen, Zhihua Wang, Willy Sansen

November 1994 | CCAD '94: Proceedings of the 1994 IEEE/ACM international conference on Computer-aided design

Publisher: IEEE Computer Society Press

Full text available:  Pdf (451.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 10, Citation Count: 8

A new method for the testing and fault detection of analog integrated circuits is presented. Time-domain testing followed by spectral analysis of the power-supply current is used to detect both DC and AC faults. Spectral analysis is applied since the ...


13 [TACCLE: a methodology for object-oriented software testing at the class and cluster levels](#)



Huo Yan Chen, T. H. Tse, T. Y. Chen

January 2001 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 10 Issue 1

Publisher: ACM

Full text available:  Pdf (289.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 194, Citation Count: 11

Object-oriented programming consists of several different levels of abstraction, namely, the algorithmic level, class level, cluster level, and system level. The testing of object-oriented software at the algorithmic and system levels is similar to conventional ...

Keywords: algebraic specifications, contact specifications, message passing, object-oriented programming, software testing

14 [Software piracy: stopping it before it stops you](#)



Mark B. Johnson

October 1988 SIGUCCS '88: Proceedings of the 16th annual ACM SIGUCCS Conference on User Services

Publisher: ACM

Full text available:  Pdf (482.75 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 139, Citation Count: 2

In today's academic environment, as computing resources become more and more prevalent, computer software becomes easier and easier to access, and as such, easier and easier to copy. This is one of contributing factors to the reputation academic institutions ...


15 [Development of a modern OPAC: from REVTOLC to MARIAN](#)



Edward A. Fox, Robert K. France, Eskinder Sahle, Amjad Daoud, Ben E. Cline

July 1993 SIGIR '93: Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available:  Pdf (1.17 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 41, Citation Count: 5

Since 1986 we have investigated the problems and possibilities of applying modern information retrieval methods to large online public access library catalogs (OPACs). In the Retrieval Experiment—Virginia Tech OnLine Catalog (REVTOLC) study we ...

16 [The Flesch index: An easily programmable readability analysis algorithm](#)




John Talburt

February 1986 SIGDOC '85: Proceedings of the 4th annual international conference on Systems

documentation

Publisher: ACM

Full text available:  Pdf (332.83 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 57, Citation Count: 1

This paper is an exposition of an algorithm for text analysis that can be of value to writers and documentalists. The simplicity of this algorithm allows it to be easily programmed on most computer systems. The author has successfully implemented this ...

17 XPL: an expert systems framework in APL



Robert Bittlestone

May 1985 ACM SIGAPL APL Quote Quad, Volume 15 Issue 4

Publisher: ACM

Full text available:  Pdf (703.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 44, Citation Count: 4

It is hardly possible to pick up a computer journal today without seeing references to the Alvey project in the UK, the Esprit project run by the EEC, the Japanese "Fifth generation" initiative, the proliferation of knowledge-based computer ...


18 SHYSTER-MYCIN: a hybrid legal expert system



Thomas A. O'Callaghan, James Popple, Eric McCreath

June 2003 ICAIL '03: Proceedings of the 9th international conference on Artificial intelligence and law

Publisher: ACM

Full text available:  Pdf (80.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 53, Citation Count: 1

SHYSTER-MYCIN combines a case-based legal expert system (SHYSTER) with a rule-based expert system (MYCIN) to form a hybrid legal expert system. MYCIN's reporting has been improved for use with SHYSTER-MYCIN to provide more useful information about the ...

19 Comparing a linguistic and a stochastic tagger

Christer Samuelsson, Atro Voutilainen

July 1997 ACL-35: Proceedings of the 35th Annual Meeting of the Association for Computational Linguistics and Eighth Conference of the European Chapter of the Association for Computational Linguistics

Publisher: Association for Computational Linguistics

Full text available:  Pdf (599.29 KB) [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 26, Citation Count: 10

Concerning different approaches to automatic PoS tagging: EngCG-2, a constraint-based morphological tagger, is compared in a double-blind test with a state-of-the-art statistical tagger on a common disambiguation task using a common tag set. The experiments ...

20 The perception of system and the reduction of uncertainty



C. D. Flagle

December 1987 Proceedings of ACM conference on History of medical informatics

Publisher: ACM

Full text available:  Pdf (770.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 22, Citation Count: 0

Until the mid 1960's we had two separate streams of development of medical information systems.

One proceeded from efforts under the Hill-Burton Program to develop management systems for hospitals and community health planning, with little stress placed ...

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